

**In the Specification:**

Please amend the paragraph beginning at page 7, line 3 as follows:

In an embodiment of the present invention, fly ash is processed in a microwave reactor 5. The microwave reactor 5 preferably comprises a chamber 15, a microwave input 18, a vent 26 and an oxygen input 34. The chamber 15 preferably includes a top 12 and a bottom 14 fixedly sealed to a wall 20, said top 12, bottom 14 22 and wall 20 20 preferably comprising microwave impenetrable material. The oxygen input 34 is preferably a source of atmospheric air and may be a conduit having a first end in communication with the chamber and a second end open to the exterior environment such that atmospheric air passes through the conduit and into the chamber as required for combustion. In one embodiment of the invention, the microwave reactor 5 further includes a fluidized bed, which facilitates continuous intimate mixing of air and fly ash.